

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/727, 155A  
Source: TFW16  
Date Processed by STIC: 12/06/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 12/06/2006

PATENT APPLICATION: US/10/727,155A

TIME: 08:29:42

Input Set : A:\ABGENIX.073A.TXT

Output Set: N:\CRF4\12062006\J727155A.raw

4 <110> APPLICANT: John S. Babcook  
 5 Jaspal S. Kang  
 6 Orit Foord  
 7 Larry Green  
 8 Xiao Feng  
 9 Scott Klakamp  
 10 Mary Haak-Frendscho  
 11 Palaniswami Rathanaswami  
 12 Craig Pigott  
 13 Meina Liang  
 14 Yen-Wah "Rozanne" Lee  
 15 Kathy Manchulenko  
 16 Raffaella Faggioni  
 17 Giorgio Senaldi  
 18 Qiaojuan Jane Su  
 21 <120> TITLE OF INVENTION: ANTIBODIES DIRECTED TO TUMOR NECROSIS  
 22 FACTOR AND USES THEREOF  
 25 <130> FILE REFERENCE: ABGENIX.073A  
 27 <140> CURRENT APPLICATION NUMBER: 10/727,155A  
 28 <141> CURRENT FILING DATE: 2003-12-02  
 30 <150> PRIOR APPLICATION NUMBER: 60/430,729  
 31 <151> PRIOR FILING DATE: 2002-12-02  
 33 <160> NUMBER OF SEQ ID NOS: 332  
 35 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 37 <210> SEQ ID NO: 1  
 38 <211> LENGTH: 384  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Homo sapiens  
 42 <400> SEQUENCE: 1  
 43 caggtgcagt tgcaggagtc gggcccagga ctggtgaagc cttcacagac cctgtccctc 60  
 44 acctgcactg tctctgggtg ctccatcagc agtggtgggt actactggag ctggatccgc 120  
 45 cagcacccag ggaagggcct ggagtggatt gggaacatct attacagtgg gagcacctac 180  
 46 tacaaccctg ccctcaagag tcgagttacc atatcagtag acacgtctaa gaaccagttc 240  
 47 tccctgaagc tgagctctgt gactgccgcg gacacggccg tgtattactg tgcgagagat 300  
 48 agtaaccaat ataactggaa cgacgaggtc tacgactacg gtttggacgt ctggggccaa 360  
 49 gggaccacgg tcaccgtgtc ctca 384  
 51 <210> SEQ ID NO: 2  
 52 <211> LENGTH: 128  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Homo sapiens  
 56 <400> SEQUENCE: 2  
 57 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln  
 58 1 5 10 15

CP8-6)

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59 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly
60          20          25          30
61 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
62          35          40          45
63 Trp Ile Gly Asn Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
64          50          55          60
65 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
66 65          70          75          80
67 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
68          85          90          95
69 Cys Ala Arg Asp Ser Asn Gln Tyr Asn Trp Asn Asp Glu Val Tyr Asp
70          100          105          110
71 Tyr Gly Leu Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
72          115          120          125
75 <210> SEQ ID NO: 3
76 <211> LENGTH: 321
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
80 <400> SEQUENCE: 3
81 gacatccaga tgacccagtc tccatcctcc ctgtctgcat ctgtaggaga cagagtcacc 60
82 atcacttgcc gggcaagtca gggcattaga aatgatttag gctggtatca gcagaaacca 120
83 gggaaagccc ctaagcgcct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180
84 aggttcagcg gcagtggatc tgggacagaa ttcactctca caatcagcag cctgcagcct 240
85 gaagattttg caacttatta ctgtctacaa cataataatt accctctcac tttcggcgga 300
86 gggaccaagg tggagatcaa a 321
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 107
90 <212> TYPE: PRT
91 <213> ORGANISM: Homo sapiens
93 <400> SEQUENCE: 4
94 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
95 1          5          10          15
96 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Asp
97          20          25          30
98 Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile
99          35          40          45
100 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
101          50          55          60
102 Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
103 65          70          75          80
104 Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Asn Tyr Pro Leu
105          85          90          95
106 Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
107          100          105
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 375
112 <212> TYPE: DNA
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 5

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116 caggtgcagc tgggtggagtc tggggggaggc gtggtccagc ctgggaggtc cctgagactc 60
117 tcctgtgcag cgtctggatt caccttcagt agctatgaca ttactgggt cgcagggt 120
118 ccaggcaagg ggctggagtg ggtggcagtt atatggtatg atggaagtat taaatactat 180
119 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240
120 ctacaaatga acagcctgag agccgaggac acggctgtgt attactgtgc gagagaggag 300
121 cagctcgtcc ggggagggtta ctactactac ggtatggacg tctggggcca agggaccacg 360
122 gtcaccgtct cctca 375

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124 &lt;210&gt; SEQ ID NO: 6

125 &lt;211&gt; LENGTH: 125

126 &lt;212&gt; TYPE: PRT

127 &lt;213&gt; ORGANISM: Homo sapiens

129 &lt;400&gt; SEQUENCE: 6

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130 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
131 1 5 10 15
132 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
133 20 25 30
134 Asp Ile His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
135 35 40 45
136 Ala Val Ile Trp Tyr Asp Gly Ser Ile Lys Tyr Tyr Ala Asp Ser Val
137 50 55 60
138 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
139 65 70 75 80
140 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
141 85 90 95
142 Ala Arg Glu Glu Gln Leu Val Arg Gly Gly Tyr Tyr Tyr Tyr Gly Met
143 100 105 110
144 Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
145 115 120 125

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148 &lt;210&gt; SEQ ID NO: 7

149 &lt;211&gt; LENGTH: 321

150 &lt;212&gt; TYPE: DNA

151 &lt;213&gt; ORGANISM: Homo sapiens

153 &lt;400&gt; SEQUENCE: 7

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154 gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctataggaga cagagtcacc 60
155 atcacttgcc gggcaagtca gggcattaga aatgatttag gctggtatca gcagaaacca 120
156 gggaaagccc ctaagcgcct gatctatgct gcatccagtt tgcaaagtgg ggtcccgtca 180
157 aggttcagcg gcagtggatc tgggcccagaa ttactctca caatcagcag cctgcagcct 240
158 gaagattttg caacttatta ctgtctacag cataatagtt acccgctcac tttcggcgga 300
159 gggaccaagg tggagatcaa a 321

```

161 &lt;210&gt; SEQ ID NO: 8

162 &lt;211&gt; LENGTH: 107

163 &lt;212&gt; TYPE: PRT

164 &lt;213&gt; ORGANISM: Homo sapiens

166 &lt;400&gt; SEQUENCE: 8

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167 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
168 1 5 10 15
169 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Asp
170 20 25 30
171 Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile

```

## RAW SEQUENCE LISTING

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TIME: 08:29:42

Input Set : A:\ABGENIX.073A.TXT

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172          35          40          45
173 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
174          50          55          60
175 Ser Gly Ser Gly Pro Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
176 65          70          75          80
177 Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro Leu
178          85          90          95
179 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
180          100          105
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 384
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 9
189 caggtgcagc tgcaggagtc gggcccagga ctggtgaagc cttcacagac cctgtccctc 60
190 acctgcactg tctctggtgg ctccatcagc agtgggtggtt actactggag ctggatccgc 120
191 cagcaccagc ggaagggcct ggagtggatt gggaacatct attacagtgg gagcacctac 180
192 tacaaccctg ccctcaagag tcgagttacc atatcagtag acacgtctaa gaaccagttc 240
193 tcctgaagc tgagctctgt gactgccgcg gacacggccg tgtattactg tgcgagagat 300
194 agtaaccaat ataactggaa cgacgaggtc tacgactacg gtttggacgt ctggggccaa 360
195 gggaccacgg tcaccgtgtc ctca 384
197 <210> SEQ ID NO: 10
198 <211> LENGTH: 128
199 <212> TYPE: PRT
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 10
203 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
204 1          5          10          15
205 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Ile Ser Ser Gly
206          20          25          30
207 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln His Pro Gly Lys Gly Leu Glu
208          35          40          45
209 Trp Ile Gly Asn Ile Tyr Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser
210          50          55          60
211 Leu Lys Ser Arg Val Thr Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
212 65          70          75          80
213 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Thr Ala Val Tyr Tyr
214          85          90          95
215 Cys Ala Arg Asp Ser Asn Gln Tyr Asn Trp Asn Asp Glu Val Tyr Asp
216          100          105          110
217 Tyr Gly Leu Asp Val Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser
218          115          120          125
221 <210> SEQ ID NO: 11
222 <211> LENGTH: 321
223 <212> TYPE: DNA
224 <213> ORGANISM: Homo sapiens
226 <400> SEQUENCE: 11
227 gacatccaga tgaccagtc tccatcctcc ctgtctgcat ctgtaagaga cagagtcacc 60
228 atcacttgcc gggcaagtca gggcattaga aatgatttag gctgggtatca gcagaaacca 120

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## RAW SEQUENCE LISTING

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TIME: 08:29:42

Input Set : A:\ABGENIX.073A.TXT

Output Set: N:\CRF4\12062006\J727155A.raw

229 gggaaagccc ctaagcgct gatctatgct gcatccagtt tgcaaagtgg ggtcccatca 180  
 230 aggttcagcg gcagtggatc tgggacagaa ttcactctca caatcagcag cctgcagcct 240  
 231 gaagattttg caacttatta ctgtctacag cataatagtt accctctcac tttcggcgga 300  
 232 gggaccaagg tggagatcaa a 321

234 &lt;210&gt; SEQ ID NO: 12

235 &lt;211&gt; LENGTH: 107

236 &lt;212&gt; TYPE: PRT

237 &lt;213&gt; ORGANISM: Homo sapiens

239 &lt;400&gt; SEQUENCE: 12

240 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Arg

241 1 5 10 15

242 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Asp

243 20 25 30

244 Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile

245 35 40 45

246 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

247 50 55 60

248 Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

249 65 70 75 80

250 Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro Leu

251 85 90 95

252 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys

253 100 105

256 &lt;210&gt; SEQ ID NO: 13

257 &lt;211&gt; LENGTH: 369

258 &lt;212&gt; TYPE: DNA

259 &lt;213&gt; ORGANISM: Homo sapiens

261 &lt;400&gt; SEQUENCE: 13

262 caggtgcagc tgggtggagtc tgggggaggc gtggtccagc ctgggaggtc cctgagactc 60

263 tcctgtgcag cctctggatt caccttcagt aactatggca tgcactgggt ccgccaggct 120

264 ccaggcaagg ggctggagtg ggtgacaatt atatcatatg atggaagtaa taaatactat 180

265 gcagactccg tgaagggccg attcaccatc tccagagaca attccaagaa cacgctgtat 240

266 ctgcaaatga acagcctgag agctgaggac acggctgtgt attactgtgt gacgtattac 300

267 gatttttggg gtggttatct cccaggtatg gacgtctggg gccaaggac cacggtcacc 360

268 gtctcctca 369

270 &lt;210&gt; SEQ ID NO: 14

271 &lt;211&gt; LENGTH: 123

272 &lt;212&gt; TYPE: PRT

273 &lt;213&gt; ORGANISM: Homo sapiens

275 &lt;400&gt; SEQUENCE: 14

276 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg

277 1 5 10 15

278 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr

279 20 25 30

280 Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

281 35 40 45

282 Thr Ile Ile Ser Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val

283 50 55 60

284 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/727,155A

DATE: 12/06/2006  
TIME: 08:29:43

Input Set : A:\ABGENIX.073A.TXT  
Output Set: N:\CRF4\12062006\J727155A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:275; Xaa Pos. 101,102

Seq#:280; Xaa Pos. 98

**VERIFICATION SUMMARY**

DATE: 12/06/2006

PATENT APPLICATION: US/10/727,155A

TIME: 08:29:43

Input Set : A:\ABGENIX.073A.TXT

Output Set: N:\CRF4\12062006\J727155A.raw

L:5094 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:275 after pos.:96

L:5211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:280 after pos.:96